

APOB48R Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18657c**Specification**

APOB48R Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q0VD83](#)**APOB48R Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 55911

Other Names

Apolipoprotein B receptor, Apolipoprotein B-100 receptor, Apolipoprotein B-48 receptor, Apolipoprotein B48 receptor, apoB-48R, APOBR, APOB48R

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

APOB48R Antibody (Center) Blocking Peptide - Protein InformationName APOBR ([HGNC:24087](#))

Synonyms APOB48R

Function

Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG-VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages.

Cellular Location

Cell membrane; Peripheral membrane protein. Note=Binds monocyte-macrophage membrane. Thought to be anchored in the membrane through an interaction with an integral membrane protein

Tissue Location

Expressed in peripheral blood leukocytes > bone marrow = spleen > lymph node, and only faintly visible in appendix and thymus. Expressed in the brain, heart, kidney, liver, lung, pancreas, and

placenta. Expressed primarily by reticuloendothelial cells: monocytes, macrophages, and endothelial cells. Expressed in atherosclerotic lesion foam cells.

APOB48R Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

APOB48R Antibody (Center) Blocking Peptide - Images

APOB48R Antibody (Center) Blocking Peptide - Background

Apolipoprotein B48 receptor is a macrophage receptor that binds to the apolipoprotein B48 of dietary triglyceride (TG)-rich lipoproteins. This receptor may provide essential lipids, lipid-soluble vitamins and other nutrients to reticuloendothelial cells. If overwhelmed with elevated plasma triglyceride, the apolipoprotein B48 receptor may contribute to foam cell formation, endothelial dysfunction, and atherothrombogenesis. [provided by RefSeq].

APOB48R Antibody (Center) Blocking Peptide - References

Kawakami, A., et al. Arterioscler. Thromb. Vasc. Biol. 25(2):424-429(2005) Fujita, Y., et al. J. Hum. Genet. 50(4):203-209(2005) Brown, M.L., et al. Proc. Natl. Acad. Sci. U.S.A. 97(13):7488-7493(2000)